PRODUCTS: DE3815TYKHE, DE3815TYBE (Standard BIOS)

NOTE: This BIOS update is for Intel NUC Kit DE3815TYHE with the SA number H27002-500 and later and Intel NUC Board DE3815TYBE with the AA number H26998-500 and later.

TYBYT20H.86A.0022.2019.0701.1544 Production BIOS

About This Release:
- Date: July 01, 2019
- ROM Image Checksum: 0x475E
- ME Firmware: 1.1.4.1145v3
- EC Firmware: 4.00
- Memory Reference Code: Based on 0.94
- Integrated Graphics
    - o Option ROM: Build 1004 PC 14.34
    - o UEFI Driver: 7.0.1029
- AHCI Code: Based on 5.004 AHCI002
- LAN Option ROM: 2.0.23
- Visual BIOS: 2.2.20

- Supported Flash Devices:

Macronix	MX25U6435FM2I-10G	8MB
Winbond	W25Q64FWSSIG	8MB
GIGADEVICE	GD25LQ64CVIG	8MB

- Microcode Updates included in .ROM & .BIO Files:
    - M0C30673326.PDB
    - M0C30678838.PDB
    - M0130673326.PDB
    - M0F3067990C.PDB

New Fixes/Features:
- Fixed Issue: Where USB wake from S5 wouldn't work.
- BIOS security fixes.

BIOS Version 0021 - TYBYT20H.86A.0021.2019.0603.1723

About This Release:
- Date: June 3, 2019
- ROM Image Checksum: 0x1CBA
- ME Firmware: 1.1.4.1145v3
- EC Firmware: 4.00
- Memory Reference Code: Based on 0.94
- Integrated Graphics
    - Option ROM: Build 1004 PC 14.34
    - UEFI Driver: 7.0.1029
- AHCI Code: Based on 5.004 AHCI002
- LAN Option ROM: 2.0.23

*Other names and brands may be claimed as the property of others.

- Visual BIOS: 2.2.20
- Supported Flash Devices:
  Macronix   MX25U6435FM2I-10G   8MB
  Winbond   W25Q64FWSSIG   8MB
  GIGADEVICE   GD25LQ64CVIG   8MB
- Microcode Updates included in .ROM File:
  M0C30673326.PDB
  M0C30678838.PDB
  M0130673326.PDB
  M0F3067990C.PDB

New Fixes/Features:
- Updated CPU microcode for security fix.

BIOS Version 0020 - TYBYT20H.86A.0020.2019.0409.1424

About This Release:
- Date: April 9, 2019
- ME Firmware: 1.1.4.1145v3
- EC Firmware: 4.00
- Memory Reference Code: Based on 0.94
- Integrated Graphics:
  - Option ROM: Build 1004 PC 14.34
  - UEFI Driver: 7.0.1029
- AHCI Code: Based on 5.004 AHCI002
- LAN Option ROM: 2.0.23
- Visual BIOS: 2.2.20

New Fixes/Features:
- Updated BIOS code for security fixes.

BIOS Version 0019 - TYBYT20H.86A.0019.2018.0619.1124

About This Release:
- Date: June 19, 2018
- ME Firmware: 1.1.4.1145v3
- EC Firmware: 4.00
- Memory Reference Code: Based on 0.94
- Integrated Graphics
  o Option ROM: Build 1004 PC 14.34
  o UEFI Driver: 7.0.1029
- AHCI Code: Based on 5.004 AHCI002
- LAN Option ROM: 2.0.23
- Visual BIOS: 2.2.20

New Fixes/Features:
- Security Enhancements
- Added the setup option "Allow UEFI Third Party Driver loaded" and set the default state to disabled.

BIOS Version 0018 - TYBYT20H.86A.0018.2018.0308.1931

About This Release:
- Date: March 08, 2018
- ME Firmware: 1.1.4.1145v3

*Other names and brands may be claimed as the property of others.

- EC Firmware: 4.00
- Memory Reference Code: Based on 0.94
- Integrated Graphics
  - Option ROM: Build 1004 PC 14.34
  - UEFI Driver: 7.0.1029
- AHCI Code: Based on 5.004 AHCI002
- LAN Option ROM: 2.0.23
- Visual BIOS: 2.2.20

New Fixes/Features:
- Updated CPU Microcode (Security Advisory-00088)

BIOS Version 0017 - TYBYT20H.86A.0017.2018.0212.1128

About This Release:
- Date: February 12, 2018
- ME Firmware: 1.1.4.1145v3
- EC Firmware: 4.00
- Memory Reference Code: Based on 0.94
- Integrated Graphics:
  - Option ROM: Build 1004 PC 14.34
  - UEFI Driver: 7.0.1029
- AHCI Code: Based on 5.004 AHCI002
- LAN Option ROM: 2.0.23
- Visual BIOS: 2.2.20

New Fixes/Features:
- Fixed an issue where the EMMC wouldn't be seen in the BIOS.

BIOS Version 0015 - TYBYT20H.86A.0015.2017.0427.1513

About This Release:
- Date: April 27, 2017
- ME Firmware: 1.1.4.1145v3
- EC Firmware: 4.00
- Memory Reference Code: Based on 0.94
- Integrated Graphics
  - Option ROM: Build 1004 PC 14.34
  - UEFI Driver: 7.0.1029
- AHCI Code: Based on 5.004 AHCI002
- LAN Option ROM: 2.0.23
- Visual BIOS: 2.2.20

New Fixes/Features:
- Added xHCI Mode UQI.

BIOS Version 0013 - TYBYT20H.86A.0013.2017.0411.1047

About This Release:
- Date: April 11, 2017
- ME Firmware: 1.1.4.1145v3
- EC Firmware: 4.00
- Memory Reference Code: Based on 0.94

*Other names and brands may be claimed as the property of others.

- Integrated Graphics
  - Option ROM: Build 1004 PC 14.34
  - UEFI Driver: 7.0.1029
- AHCI Code: Based on 5.004 AHCI002
- LAN Option ROM: 2.0.23
- Visual BIOS: 2.2.20

New Fixes/Features:
- Initial production BIOS release

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